Claims:

1. A method of deflashing IC packages comprising the steps of:

directing a first laser beam in the infra-red frequency range onto flash area for removing top layer of flash; and subsequently

directing a second pulsed laser beam onto the flash area at low laser fluence and pulse number for removing the thin layer of flash remained after application of the first laser beam.

- 2. A method according to claim 1, wherein the first laser is a CO₂ laser.
 - 3. A method according to claim 1 or claim 2 in which the first laser beam has a wavelength of approximately 1064 nm.
 - 4. A method according to any preceding claim in which the first laser is operated in pulses of length in excess of 1 μs.
- A method according to claim 4 in which the first laser is operated in continuous wave mode.
 - 6. A method according to any preceding claim in which the first laser has an intensity of approximately 10kw/cm².
- 7. A method according to any preceding claim in which the second laser is a YAG
 20 laser.
 - 8. A method according to claim 7 in which the second laser has a wavelength that is between ultra-violet and infra-red.
 - 9. A method according to claim 8 in which the second laser has a wavelength of approximately 532 nm or 1064nm.

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- 10. A method according to any preceding claim in which the second laser is operated in pulses.
- 11. A method according to claim 10 in which the pulse duration is between one fs and 1000 ns.
- 5 12. A method according to claim 11 in which the pulses are of duration not greater than 100ns.
 - 13. A method according to any preceding claim in which the second laser has a fluence of less than 1000 mJ/cm².
 - 14. A method according to claim 13 in which the second laser has a fluence of approximately 300 mJ/cm².
 - 15. An apparatus for deflashing IC packages comprising:
 - a. a conveyor system for carrying IC packages to appropriate position;
 - b. a mask placed on IC packages for exposing flash area to laser beams;
 - c. first and second lasers for generating laser beams; and
- d. a scanning system for each laser;

wherein the conveyor is movable relative to each laser beam, the two galvanometers being used to scan respective laser beams in turn on a flash area of the IC packages.

- 16. Apparatus according to claim 15 further comprising an exhauster for removing flash debris.
- 17. Apparatus according to claim 15 or claim 16 in which the first laser is a CO₂ laser.
- 18. Apparatus according to any one of claims 15 to 17 in which the first laser is a pulsed laser.

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- 19. Apparatus according to any one of claims 15 to 17 in which the first laser is a continuous wave laser.
- 20. Apparatus according to any one of claims 15 to 19 in which the second laser is a YAG laser.
- 21. Apparatus according to any one of claims 15 to 20 in which the second laser has a wavelength of 1064 nm or 532 nm.
 - 22. Apparatus according to any one of claims 15 to 21 in which the second laser has predetermined pulse-duration.
 - 23. Apparatus according to claim 22 in which the predetermined pulse duration is between 1 fs and 1000 ns.
 - 24. A method of deflashing integrated circuit packages substantially as herein described with reference to the accompanying drawings.
 - 25. An apparatus for deflashing IC packages substantially as herein described with reference to the accompanying drawings.